

OIPF

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001  
TIME: 15:55:38

ENTERED

Input Set : A:\Pc108511.app  
Output Set : N:\CRF3\05032001\I836712.raw

#2.

3 <110> APPLICANT: PFIZER INC.  
5 <120> TITLE OF INVENTION: ADAMTS POLYPEPTIDES, NUCLEIC ACIDS ENCODING THEM, AND  
6 USES THEREOF  
8 <130> FILE REFERENCE: PC10851A  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/836,712  
C--> 11 <141> CURRENT FILING DATE: 2001-04-17  
13 <160> NUMBER OF SEQ ID NOS: 4  
15 <170> SOFTWARE: PatentIn Ver. 2.1  
17 <210> SEQ ID NO: 1  
18 <211> LENGTH: 4248  
19 <212> TYPE: DNA  
20 <213> ORGANISM: Human  
22 <400> SEQUENCE: 1  
23 ccgggtcgac ccacgcgtcc gaaggccccc tctcactccg ctccactcct cgggctggct 60  
24 ctccctgagga tgcaccagcg tcacccccgg gcaagatgcc ctccccctctg tgtggccgga 120  
25 atcccttgccct gtggctttct cctgggctgc tggggaccct cccatttcca gcagagttgt 180  
26 cttcaggctt tggagccaca ggcggtgtct tcttacttga gccctggtgc tcccttaaaa 240  
27 ggccgccttc ctccctctgg ctccagagg cagaggcaga ggccagggcg ggctgcaggc 300  
28 ggcatcctac acctggagct gctggtggcc gtgggccccg atgtcttcca ggctcaccag 360  
29 gaggacacag agcgctatgt gctcaccaac ctcaacatcg gggcagaact gcttcggggac 420  
30 ccgtccctgg gggctcagtt tcgggtgcac ctggtgaaga tggctattct gacagagcct 480  
31 gagggtgctc caaatatcac agccaacctc acctcgctcc tgcctgagcg ctgtgggtgg 540  
32 agccagacca tcaacctga ggacgacacg gatcctggcc atgctgacct ggctccttat 600  
33 atcaactagg ttgacctga gttgcctgat ggtaaccggc aggtgcgggg cgtaaccag 660  
34 ctgggcggtg cctgctcccc aacctggagc tgccctatta ccgaggacac tggcttcgac 720  
35 ctgggagtc aattgcca tgagattggg cacagcttcg gcctggagca cgacggcgcg 780  
36 ccgggcagcg gctgcggccc cagcgacac gtgatggctt cggacggcg cgcgccccgc 840  
37 gccggcctcg cctggtcccc ctgcagccgc cggcagctgc tgagcctgct cagcgagga 900  
38 cgggcgcgct gogtgtggga ccgcgcggc cctcaaccgg ggtccgcggg gcaaccgcgg 960  
39 gatgcgcagc ctggcctcta ctacagcgc aacgagcagt gccgcgtggc cttcggcccc 1020  
40 aaggctgtcg cctgcacctt cgccaggag cacctggata tgtgccaggc cctctcctgc 1080  
41 cacacagacc cgctggacca aagcagctgc agccgcctcc tcgttctct cctggatggg 1140  
42 acagaatgtg gcgtggagaa gtggtgctcc aagggtcgct gccgtccct ggtggagctg 1200  
43 acccccatag cagcagtgca tggcgctgg tctagctggg gtccccgaag tccttgctcc 1260  
44 cgctcctgcg gaggaggtgt ggtcaccagg aggcggcagt gcaacaaccc cagacctgcc 1320  
45 tttggggggc gtgcatgtgt tgggtctgac ctccaggccg agatgtgcaa cactcaggcc 1380  
46 tgcgagaaga ccagctgga gttcatgtcg caacagtgcg ccaggaccga cggccagccg 1440  
47 ctgcgctcct cccctggcgg cgctccttc taccactggg gtgctgctgt accacacagc 1500  
48 caaggggatg ctctgtgcag acacatgtgc cgggccattg gcgagagctt catcatgaag 1560  
49 cgtggagaca gcttcctcga tgggacccgg tgtatgcaa gtggcccccg ggaggacggg 1620  
50 accctgagcc tgtgtgtgtc gggcagctgc aggacatttg gctgtgatgg taggatggac 1680  
51 tcccagcagg tatggacag gtgccagggt tgtggtgggg acaacagcac gtgcagccca 1740  
52 cggaagggtc ttttcacagc tggcagagc agagaatatg tcacgtttct gacagttacc 1800  
53 cccaacctga ccagtgtcta cattgccaac cacaggcctc tcttcacaca cttggcggtg 1860  
54 aggatcggag ggcgctatgt cgtggctggg aagatgagca tctcccctaa caccacctac 1920  
55 cctccctcc tggaggatgg tcgtgtcgag tacagagtgg cctcaccga ggaccggctg 1980  
56 cccgcctgag aggatccg catctgggga cccctccagg aagatgctga catccaggtt 2040

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001

TIME: 15:55:38

Input Set : A:\Pc108511.app

Output Set: N:\CRF3\05032001\I836712.raw

```

57 tacaggcggt atggcgagga gtatggcaac ctcacccgcc cagacatcac cttcacctac 2100
58 ttccagccta agccacggca ggcctgggtg tgggccgctg tgcgtgggcc ctgctcgggtg 2160
59 agctgtgggg cagggtcgcg ctgggtaaac tacagctgcc tggaccaggc caggaaggag 2220
60 ttggtggaga ctgtccagtg ccaagggagc cagcagccac cagcgtggcc agaggcctgc 2280
61 gtgctcgaac cctgccctcc ctactgggcg gtgggagact tcggcccatg cagcgcctcc 2340
62 tgtgggggtg gcctgcggga gcgccagtg cgctgcgtgg aggccaggg cagcctcctg 2400
63 aagacattgc cccagcccg gtgcagagca ggggcccagc agccagctgt ggcgtggaa 2460
64 acctgaacc cccagccctg cctgccagg tgggaggtgt cagagccag ctcatgcaca 2520
65 tcagctgggt gagcaggcct ggccttgag aacgagacct gtgtgccagg ggcagatggc 2580
66 ctggaggctc cagtgcactg ggggcctggc tccgtagatg agaagctgcc tgcctctgag 2640
67 cctgtgtcgc ggtgtcatg tctccaggc tggggccatc tggatgccac ctctgcaggg 2700
68 gagaaggctc cctcccatg gggcagcatc aggacgggg ctcaagctgc acaogtgtgg 2760
69 acccctgcgc cagggtcgtg ctccgtctcc tgcggcgag gtctgatgga gctgcgtttc 2820
70 ctgtgcattg actctgcctc cagggtgcct gtccaggaag agctgtgtgg cctggcaagc 2880
71 aagcctggga gccggcgga ggtctgccg gtgtcccg gtctgctcg gtggcagtac 2940
72 aagctggcgc cctgcagcgt gagctgtggg agaggggtcg tgcggaggat cctgtattgt 3000
73 gcccgggccc atggggagga cgtggtgag gagatcctgt tggacacca gtgccagggg 3060
74 ctgcctcgcc cggaaccca ggaggcctgc agcctggagc cctgccacc taggtgaaa 3120
75 gtcatgtccc ttggcccatg ttcggccagc tgtggccttg gcaactgtag acgctcgggtg 3180
76 gcctgtgtgc agctcgacca aggccaggac gtggaggtgg acgaggcggc ctgtgcggcg 3240
77 ctggtgcggc ccgaggccag tgtccctgt ctcattgcc actgcaccta ccgctggcat 3300
78 gttggcacct ggtggagtg ctctgtttcc tgtgggatg gcatccagcg ccggcgtgac 3360
79 acctgcctcg gacccaggc ccaggcgct gtgccagctg atttctgcca gcaattgccc 3420
80 aagccggtga ctgtgcgtgg ctgctgggct gggccctgtg tgggacaggg tacgccagc 3480
81 ctggtgcccc acgaagaagc cgctgctcca ggacggacca cagccacccc tgctggtgcc 3540
82 tgtggcaggc agcaccttga gccaacagga accattgaca tgcgaggccc agggcaggca 3600
83 gactgtgcag tggccattgg gggccctc ggggaggtgg tgaccctccg cgtccttgag 3660
84 agttctctca actgcagtc gggggacatg ttgtgcttt ggggcccgt cactggagg 3720
85 aagatgtgca ggaagctgtt ggacatgact ttcagctcca agaccaacac gctggtggtg 3780
86 aggcagcgtc gggggcgccc aggaggtggg gtgctgctgc ggtatgggag ccagcttgct 3840
87 cctgaaacct tctacagaga atgtgacatg cagctcttt ggccctggg tgaaatcgtg 3900
88 agccctcgc tgagtccagc cagagtaat gcagggggt gccggtctt cattaatgtg 3960
89 gctccgcacg caggtattgc catccatgcc ctggccacca acatgggcgc tgggaccgag 4020
90 ggagccaatg ccagctacat cttgatccgg gacaccaca gcttgaggac cacagcgttc 4080
91 catgggcagc aggtgctcta ctgggagtc gagagcagc aggtgagat ggagttcagc 4140
92 gagggcttcc tgaaggctca ggccagcctg cggggccagt actggacct ccaatcatg 4200
93 gtaccggaga tgcaggacc tcagtcctgg aagggaagg aaggaacc 4248

```

96 &lt;210&gt; SEQ ID NO: 2

97 &lt;211&gt; LENGTH: 1416

98 &lt;212&gt; TYPE: PRT

99 &lt;213&gt; ORGANISM: Human

101 &lt;400&gt; SEQUENCE: 2

```

102 Pro Gly Arg Pro Thr Arg Pro Lys Ala Pro Ser His Ser Ala Pro Leu
103   1           5           10           15
105 Leu Gly Leu Ala Leu Leu Arg Met His Gln Arg His Pro Arg Ala Arg
106           20           25           30
108 Cys Pro Pro Leu Cys Val Ala Gly Ile Leu Ala Cys Gly Phe Leu Leu
109           35           40           45
111 Gly Cys Trp Gly Pro Ser His Phe Gln Gln Ser Cys Leu Gln Ala Leu

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001

TIME: 15:55:38

Input Set : A:\Pc108511.app

Output Set: N:\CRF3\05032001\I836712.raw

112	50	55	60
114	Glu Pro Gln Ala Val Ser Tyr Leu Ser Pro Gly Ala Pro Leu Lys		
115	65	70	75
117	Gly Arg Pro Pro Ser Pro Gly Phe Gln Arg Gln Arg Gln Arg Gln Arg		80
118		85	90
120	Arg Ala Ala Gly Gly Ile Leu His Leu Glu Leu Leu Val Ala Val Gly		95
121		100	105
123	Pro Asp Val Phe Gln Ala His Gln Glu Asp Thr Glu Arg Tyr Val Leu		110
124		115	120
126	Thr Asn Leu Asn Ile Gly Ala Glu Leu Leu Arg Asp Pro Ser Leu Gly		125
127		130	135
129	Ala Gln Phe Arg Val His Leu Val Lys Met Val Ile Leu Thr Glu Pro		140
130	145	150	155
132	Glu Gly Ala Pro Asn Ile Thr Ala Asn Leu Thr Ser Ser Leu Leu Ser		160
133		165	170
135	Val Cys Gly Trp Ser Gln Thr Ile Asn Pro Glu Asp Asp Thr Asp Pro		175
136		180	185
138	Gly His Ala Asp Leu Val Leu Tyr Ile Thr Arg Phe Asp Leu Glu Leu		190
139		195	200
141	Pro Asp Gly Asn Arg Gln Val Arg Gly Val Thr Gln Leu Gly Gly Ala		205
142		210	215
144	Cys Ser Pro Thr Trp Ser Cys Leu Ile Thr Glu Asp Thr Gly Phe Asp		220
145	225	230	235
147	Leu Gly Val Thr Ile Ala His Glu Ile Gly His Ser Phe Gly Leu Glu		240
148		245	250
150	His Asp Gly Ala Pro Gly Ser Gly Cys Gly Pro Ser Gly His Val Met		255
151		260	265
153	Ala Ser Asp Gly Ala Ala Pro Arg Ala Gly Leu Ala Trp Ser Pro Cys		270
154		275	280
156	Ser Arg Arg Gln Leu Leu Ser Leu Leu Ser Ala Gly Arg Ala Arg Cys		285
157		290	295
159	Val Trp Asp Pro Pro Arg Pro Gln Pro Gly Ser Ala Gly His Pro Pro		300
160	305	310	315
162	Asp Ala Gln Pro Gly Leu Tyr Tyr Ser Ala Asn Glu Gln Cys Arg Val		320
163		325	330
165	Ala Phe Gly Pro Lys Ala Val Ala Cys Thr Phe Ala Arg Glu His Leu		335
166		340	345
168	Asp Met Cys Gln Ala Leu Ser Cys His Thr Asp Pro Leu Asp Gln Ser		350
169		355	360
171	Ser Cys Ser Arg Leu Leu Val Pro Leu Leu Asp Gly Thr Glu Cys Gly		365
172		370	375
174	Val Glu Lys Trp Cys Ser Lys Gly Arg Cys Arg Ser Leu Val Glu Leu		380
175	385	390	395
177	Thr Pro Ile Ala Ala Val His Gly Arg Trp Ser Ser Trp Gly Pro Arg		400
178		405	410
180	Ser Pro Cys Ser Arg Ser Cys Gly Gly Gly Val Val Thr Arg Arg Arg		415
181		420	425
183	Gln Cys Asn Asn Pro Arg Pro Ala Phe Gly Gly Arg Ala Cys Val Gly		430
184		435	440
			445

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001

TIME: 15:55:38

Input Set : A:\Pc108511.app

Output Set: N:\CRF3\05032001\I836712.raw

```

186 Ala Asp Leu Gln Ala Glu Met Cys Asn Thr Gln Ala Cys Glu Lys Thr
187      450      455      460
189 Gln Leu Glu Phe Met Ser Gln Gln Cys Ala Arg Thr Asp Gly Gln Pro
190 465      470      475      480
192 Leu Arg Ser Ser Pro Gly Gly Ala Ser Phe Tyr His Trp Gly Ala Ala
193      485      490      495
195 Val Pro His Ser Gln Gly Asp Ala Leu Cys Arg His Met Cys Arg Ala
196      500      505      510
198 Ile Gly Glu Ser Phe Ile Met Lys Arg Gly Asp Ser Phe Leu Asp Gly
199      515      520      525
201 Thr Arg Cys Met Pro Ser Gly Pro Arg Glu Asp Gly Thr Leu Ser Leu
202      530      535      540
204 Cys Val Ser Gly Ser Cys Arg Thr Phe Gly Cys Asp Gly Arg Met Asp
205 545      550      555      560
207 Ser Gln Gln Val Trp Asp Arg Cys Gln Val Cys Gly Gly Asp Asn Ser
208      565      570      575
210 Thr Cys Ser Pro Arg Lys Gly Ser Phe Thr Ala Gly Arg Ala Arg Glu
211      580      585      590
213 Tyr Val Thr Phe Leu Thr Val Thr Pro Asn Leu Thr Ser Val Tyr Ile
214      595      600      605
216 Ala Asn His Arg Pro Leu Phe Thr His Leu Ala Val Arg Ile Gly Gly
217      610      615      620
219 Arg Tyr Val Val Ala Gly Lys Met Ser Ile Ser Pro Asn Thr Thr Tyr
220 625      630      635      640
222 Pro Ser Leu Leu Glu Asp Gly Arg Val Glu Tyr Arg Val Ala Leu Thr
223      645      650      655
225 Glu Asp Arg Leu Pro Arg Leu Glu Glu Ile Arg Ile Trp Gly Pro Leu
226      660      665      670
228 Gln Glu Asp Ala Asp Ile Gln Val Thr Arg Arg Tyr Gly Glu Glu Tyr
229      675      680      685
231 Gly Asn Leu Thr Arg Pro Asp Ile Thr Phe Thr Tyr Phe Gln Pro Lys
232      690      695      700
234 Pro Arg Gln Ala Trp Val Trp Ala Ala Val Arg Gly Pro Cys Ser Val
235 705      710      715      720
237 Ser Cys Gly Ala Gly Leu Arg Trp Val Asn Tyr Ser Cys Leu Asp Gln
238      725      730      735
240 Ala Arg Lys Glu Leu Val Glu Thr Val Gln Cys Gln Gly Ser Gln Gln
241      740      745      750
243 Pro Pro Ala Trp Pro Glu Ala Cys Val Leu Glu Pro Cys Pro Pro Tyr
244      755      760      765
246 Trp Ala Val Gly Asp Phe Gly Pro Cys Ser Ala Ser Cys Gly Gly Gly
247      770      775      780
249 Leu Arg Glu Arg Pro Val Arg Cys Val Glu Ala Gln Gly Ser Leu Leu
250 785      790      795      800
252 Lys Thr Leu Pro Pro Ala Arg Cys Arg Ala Gly Ala Gln Gln Pro Ala
253      805      810      815
255 Val Ala Leu Glu Thr Cys Asn Pro Gln Pro Cys Pro Ala Arg Trp Glu
256      820      825      830
258 Val Ser Glu Pro Ser Ser Cys Thr Ser Ala Gly Gly Ala Gly Leu Ala

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001

TIME: 15:55:38

Input Set : A:\Pc108511.app

Output Set: N:\CRF3\05032001\I836712.raw

```

259      835      840      845
261 Leu Glu Asn Glu Thr Cys Val Pro Gly Ala Asp Gly Leu Glu Ala Pro
262      850      855      860
264 Val Thr Glu Gly Pro Gly Ser Val Asp Glu Lys Leu Pro Ala Pro Glu
265 865      870      875      880
267 Pro Cys Val Gly Met Ser Cys Pro Pro Gly Trp Gly His Leu Asp Ala
268      885      890      895
270 Thr Ser Ala Gly Glu Lys Ala Pro Ser Pro Trp Gly Ser Ile Arg Thr
271      900      905      910
273 Gly Ala Gln Ala Ala His Val Trp Thr Pro Ala Ala Gly Ser Cys Ser
274      915      920      925
276 Val Ser Cys Gly Arg Gly Leu Met Glu Leu Arg Phe Leu Cys Met Asp
277      930      935      940
279 Ser Ala Leu Arg Val Pro Val Gln Glu Glu Leu Cys Gly Leu Ala Ser
280 945      950      955      960
282 Lys Pro Gly Ser Arg Arg Glu Val Cys Gln Ala Val Pro Cys Pro Ala
283      965      970      975
285 Arg Trp Gln Tyr Lys Leu Ala Ala Cys Ser Val Ser Cys Gly Arg Gly
286      980      985      990
288 Val Val Arg Arg Ile Leu Tyr Cys Ala Arg Ala His Gly Glu Asp Asp
289      995      1000      1005
291 Gly Glu Glu Ile Leu Leu Asp Thr Gln Cys Gln Gly Leu Pro Arg Pro
292      1010      1015      1020
294 Glu Pro Gln Glu Ala Cys Ser Leu Glu Pro Cys Pro Pro Arg Trp Lys
295 1025      1030      1035      1040
297 Val Met Ser Leu Gly Pro Cys Ser Ala Ser Cys Gly Leu Gly Thr Ala
298      1045      1050      1055
300 Arg Arg Ser Val Ala Cys Val Gln Leu Asp Gln Gly Gln Asp Val Glu
301      1060      1065      1070
303 Val Asp Glu Ala Ala Cys Ala Ala Leu Val Arg Pro Glu Ala Ser Val
304      1075      1080      1085
306 Pro Cys Leu Ile Ala Asp Cys Thr Tyr Arg Trp His Val Gly Thr Trp
307      1090      1095      1100
309 Met Glu Cys Ser Val Ser Cys Gly Asp Gly Ile Gln Arg Arg Arg Asp
310 1105      1110      1115      1120
312 Thr Cys Leu Gly Pro Gln Ala Gln Ala Pro Val Pro Ala Asp Phe Cys
313      1125      1130      1135
315 Gln His Leu Pro Lys Pro Val Thr Val Arg Gly Cys Trp Ala Gly Pro
316      1140      1145      1150
318 Cys Val Gly Gln Gly Thr Pro Ser Leu Val Pro His Glu Glu Ala Ala
319      1155      1160      1165
321 Ala Pro Gly Arg Thr Thr Ala Thr Pro Ala Gly Ala Cys Gly Arg Gln
322      1170      1175      1180
324 His Leu Glu Pro Thr Gly Thr Ile Asp Met Arg Gly Pro Gly Gln Ala
325 1185      1190      1195      1200
327 Asp Cys Ala Val Ala Ile Gly Arg Pro Leu Gly Glu Val Val Thr Leu
328      1205      1210      1215
330 Arg Val Leu Glu Ser Ser Leu Asn Cys Ser Ala Gly Asp Met Leu Leu
331      1220      1225      1230

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/836,712

DATE: 05/03/2001

TIME: 15:55:39

Input Set : A:\Pc108511.app

Output Set: N:\CRF3\05032001\I836712.raw

L:10 M:270 C: Current Application Number differs, Replaced Application Number

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date